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Electronic Supporting Information

Small band gap copolymers based on furan and diketopyrrolopyrrole for field-effect transistors and photovoltaic cells

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Table S1. Onset of UV-vis absorption of the DPP-XYX polymers in oDCB and CHCl₃ solution at different temperatures.

Polymer	oDCB	CHCl ₃	
	20 °C	20 °C	60 °C
	<i>E_g</i> (eV)	<i>E_g</i> (eV)	<i>E_g</i> (eV)
FPF	1.52	1.52	1.55
TPT	<i>a</i>	1.56	1.58
FFF	1.43	1.47	1.50
FTF	1.45	1.46	1.48
TFT	1.43	1.44	1.47
TTT low <i>M_n</i>	1.39	1.38	1.43
TTT high <i>M_n</i>	1.37	1.35	1.36

^a Not soluble

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Figure S1. Variable temperature UV-vis-nearIR absorption spectra recorded in CHCl_3 solution between 20 and 60 °C for the six DPP-XYX polymers.

Figure S2. *p*-Type transfer curves of FETs made with the four furan based DPP-XYX polymers. Drain current is normalized with respect to the channel length for direct comparison.

Figure S3. *n*-Type transfer curves of FETs made with the four furan based DPP-XYX polymers. Drain current is normalized with respect to the channel length for direct comparison.